



## Lightsource Test Report

### Product Infomation

Product Number: 5

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3133$   $y=0.3364$   $u(u')=0.1955$   $v=0.3149$   $v'=0.4723$

CCT:  $T_c=6424K$  ( $duv=0.00665$ )

Color Ratio:  $R=0.131$   $G=0.817$   $B=0.052$

Peak Wavelength: 444.1nm

Half Bandwidth: 26.8nm

Dominant Wavelength: 493.7nm

Color Purity: 0.066

Central Wave: 447.0nm

Gravity Wave: 446.0nm

CRI:  $R_a=81.8$

TM30:  $R_f=83$ ,  $R_g=96$

GAI:  $GAI\_BB\_8=90.3$ ,  $GAI\_BB\_15=93.9$ ,  $GAI\_EES=87.8$

$R1=79$

$R2=84$

$R3=89$

$R4=83$

$R5=81$

$R6=81$

$R7=87$

$R8=70$

$R9=2$

$R10=64$

$R11=83$

$R12=65$

$R13=80$

$R14=94$

$R15=74$

Color Quality Scale:  $Q_a=82.6$ ,  $Q_f=82.5$ ,  $Q_p=83.4$ ,  $Q_g=92.4$

$Q1=85$

$Q2=97$

$Q3=80$

$Q4=78$

$Q5=83$

$Q6=85$

$Q7=86$

$Q8=91$

$Q9=96$

$Q10=85$

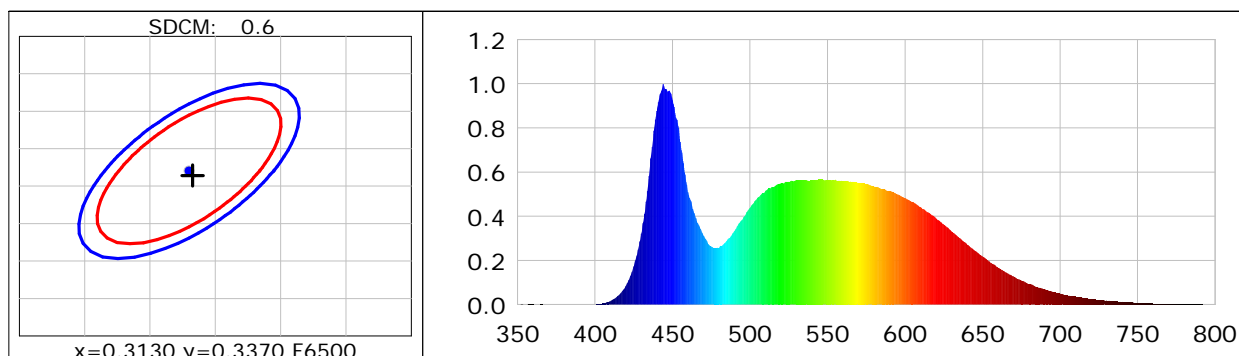
$Q11=83$

$Q12=83$

$Q13=83$

$Q14=70$

$Q15=76$



### Photometric Parameters

Luminous Flux: 22973 lm

Efficiency: 112.06 lm/W

Radiant Power: 73.539 W

Total mains efficacy: 112.06 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 229.27V

Current: 1.4105A

Power: 205.02W

Power Factor: 0.6339

Frequency: 49.99Hz

DF: 0.9808

### Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 52401 (2260)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 41.21 ms

Condition: Tx: 19.4°C, Ti: 18.1°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-11-25 14:11:34

Inspector: